

CLAIMS:

1. A method for manufacturing a golf ball comprising a core and a cover composed of one or more layers around the core, said method comprising the steps of:
  - (A) enclosing the core with a thermoplastic resin, and
  - (B) tailoring the thermoplastic resin layer by applying heat and pressure thereto, for adjusting the thickness of the thermoplastic resin layer to 0.3 to 1.0 mm.
2. The method of claim 1 wherein the step (A) of enclosing the core with a thermoplastic resin includes injection molding a thermoplastic resin around the core.
3. The method of claim 2 wherein the injection molding step uses an injection mold which consists essentially of two split mold sections having inner surfaces that define a spherical cavity having an equator when mated, has a parting plane in alignment with the equator of the spherical cavity, and has a plurality of resin-injecting gates open at the spherical cavity-defining inner surfaces.
4. The method of claim 3 wherein in the injection mold, the plurality of resin-injecting gates open at the spherical cavity-defining inner surfaces are disposed in the parting plane.
5. The method of claim 1 wherein the step (B) of tailoring the thermoplastic resin layer by applying heat and pressure thereto includes applying heat and pressure to the thermoplastic resin layer enclosing the core in a tailoring mold.
6. The method of claim 5 wherein the tailoring mold consists essentially of a plurality of split mold sections having inner surfaces that define a spherical cavity when mated and defining a parting plane therebetween, and has

holes and/or slits disposed in the parting plane for communication between the interior and the exterior of the mold.

5     7.     The method of claim 6 wherein in the tailoring mold, a plurality of protrusions are disposed on the spherical cavity-defining inner surfaces for shaping dimples.

8.     The method of claim 1 wherein said thermoplastic resin  
10    is a thermoplastic urethane resin.

9.     The method of claim 1 wherein the cover includes a plurality of layers, and the step (A) of enclosing the core with a thermoplastic resin is to enclose the core, which has  
15    been enclosed with a cover inner layer, with a cover outermost layer, the cover outermost layer being contiguous to the cover inner layer.

10.    The method of claim 9 wherein the cover outermost  
20    layer and the cover inner layer are formed of thermoplastic resins of substantially the same color.

11.    A golf ball manufactured by the method of any one of claims 1 to 10.

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